EC DECLARATION OF CONFORMITY

E C LOW VOLTAGE DIRECTIVE 73/23/EEC
E C ELECTROMAGNETIC COMPATIBILITY DIRECTIVE 89/336/EEC
E C MACHINERY DIRECTIVE 89/392/EEC

We hereby certify that OSAKI CPW110 Cold Water Pressure Washer complies with all the relevant provisions of the EC Directives 73/23/EEC, 89/336/EEC, 89/392/EEC

Harmonised Standards Applied: EN60335-1: 2002+A1+A11+A12+A2+A13+A14, EN60335-2-79:2009, EN62233: 2008.

Official Agent
KENNEDY TOOLS
Wigston Works, Leicester, England LE18 2FS.

Supplied by an ISO9001 approved company

Signed:
Name: Keith Read
Position: Director, The Kennedy Group Ltd.

Date: 15th May 2013

OTHER OSAKI PRODUCTS

QUALITY GUARANTEE & WARRANTY

OSAKI POWER TOOLS carry one years manufacturers warranty.

OSAKI POWER TOOLS are designed & produced to the highest standards & specifications

OSAKI POWER TOOLS are fully guaranteed against faulty materials & workmanship

Should they be found to be defective, they will either be repaired or replaced free of charge (fair wear and tear and/or misuse excepted).

Please retain supplier invoice as proof of purchase.

AVAILABLE FROM YOUR DISTRIBUTOR

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OSAKI POWER TOOLS

COLD WATER PRESSURE WASHER

CPW110

ORDER CODE OSA-279-6110K

- For easy cleaning of vehicles, patios and other light duty applications
- Compact and portable design
- 110 bar pressure
- In built detergent bottle
- Heavy duty induction motor
- Automatic on/off
- Adjustable lance nozzle for fan or open jet wash pattern
- High and low pressure adjustment
- 5m length, high pressure hose and trigger gun
- 5.3m length power cord

OPERATORS MANUAL

SAFETY INSTRUCTIONS

Osaki Power Tools are committed to the Production of Quality Power Tools
that are designed for high performance and long service life.
If safety and maintenance procedures are observed they will last for many years.

"Man, Earth and the Universe are forces that create an immovable centre of balance . . . OSAKI POWER TOOLS the balance of power"

GENERAL SAFETY

- To reduce the risk of injury, close supervision is necessary when a product is used near children. Do not allow the pressure washer to be used by children or people who are not familiar with it.
- Know how to stop the product and bleed the pressure quickly by pressing the trigger (See the 'Operation' section on page 5). Be thoroughly familiar with the controls.
- Stay alert and watch what you are doing.
- Do not operate the product when tired or under the influence of alcohol or drugs.
- Keep operating area clear of all people and clutter.
- Do not over reach or stand on an unstable support. Keep a good footing and balance at all times.
- This product must be grounded. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances. Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded.
- When working outdoors only use suitably approved extension cables with a minimum conductor cross section of 1.5mm^2. The plug connectors must have earthing contacts and be waterproof. Always disconnect the extension from the mains electricity supply, before disconnecting the pressure washer from the extension cord.
- Do not start and run the machine in the rain or stormy conditions. Keep all connections dry and off the ground. Do not touch the plug or sockets with wet hands. It is very important not to let water leak into the machine.
- The machine should be switched off if it is not used for periods longer than 3 minutes.
- Maintain a constant water supply when the machine is running. Without water circulation damage will be caused to the sealing rings of the machine.
- It is necessary to turn on the spray lance within one or two minutes after the machine has been started. Otherwise, the temperature of the circulating water within the machine will soon rise to a critical point, which will cause damage to the sealing rings inside the machine.
- Do not start and run the pressure washer in a place which is excessively cold.
- This machine has been designed for only using cleaning water. Do not use corrosive chemicals.
- This machine must be connected to a cold water source.
- Hold the spray lance firmly when in use as there is a chance it might swing back with the force that is inside it.
- Do not use the appliance within the range of persons unless they are wearing protective clothing.
- Do not wash any objects which are a health hazard e.g. asbestos.
- High pressure jets can be dangerous if subject to misuse. The jet must not be directed at persons, live electrical equipment or the appliance itself. Pressure washers should not be pointed less than 30cm away from tyre walls or tyre valves, as it may be possible to damage them.
- Do not direct the jet against yourself or others in order to clean clothes or footwear.
- Disconnect from the electrical power supply before carrying out user maintenance.
- To ensure the appliance safety, please use only original spare parts from Osaki. Do not use the machine before you have changed them if they are damaged.
- Store the pressure washer in a dry, secure place, away from children.
- If the supply cord is damaged, it must be replaced immediately.
- Never try to move the appliance by pulling it with the mains lead. Do not allow the mains lead to be pulled around corners or sharp edges. Do not run the pressure washer over the lead.

TROUBLE SHOOTING

FAULT	LIKELY CAUSE	SOLUTION
When switched on, the machine will not start working.	Plug is not well connected or electric socket is faulty. The mains voltage is insufficient. The pump is stuck. Thermal safety switch has tripped.	Check plug socket. Check that the mains voltage is adequate. Refer to after storage instructions. Switch off the machine and let the motor cool for a few minutes. Leave the lance open.
Fluctuating pressure.	The pump is sucking air. The valves are dirty, worn out or stuck. The pump seals are worn out.	Check that hoses and connections are airtight. Clean and replace, or refer to your dealer.
Water is leaking from the pump.	The seals are worn out.	Check and replace, or refer to your dealer.
The motor stops suddenly.	The thermal safety switch has tripped due to overheating.	Check that the main voltage, corresponds to the specifications. Switch off the unit and let it cool for a few minutes.
The pump does not reach the necessary pressure.	The water inlet filter is clogged. The pump is sucking air from connections or hoses. The suction/delivery valves are clogged or worn out. The unloaded valve is stuck. The lance nozzle is incorrect or worn out.	Clean the water inlet filter. Check that all supply connections are tight. Check that the water feeding hose is not leaking. Clear or replace the valves. Loosen and retighten regulation screw. Check and/or replace.

ACCESSORIES

The following accessories are available through your local Osaki distributor:

Gun and lance with adjustable spray pattern Order Code: OSA-280-1701W (As supplied with Model CPW090)

Gun and lance with adjustable pressure and spray pattern Order Code: OSA-280-1710W (As supplied with Model CPW110)

5m high pressure hose Order Code: OSA-280-1711W (Suitable for Model CPW110)

Osaki pressure washer accessory kit Order Code: OSA-280-1705W
Kit Contents: 1 x Large round head brush attachment with rotating centre.
1 x Large tapered head brush attachment (Wash brush).
1 x Snap action tap connector.
1 x Female hose fitting (HPC connector).
1 x Sander blast kit (includes hose & sand probe).
1 x Turbo lance.
1 x Flexible snake hose.
1 x 6m water hose.

SERVICE & REPAIR

Repair work on the Osaki Power Washer can only be carried out by a trained service engineer. A comprehensive in house repair and service facility is available through your local agent.

OPERATION continued

ADJUSTABLE PRESSURE

First turn off the spray lance and then slide the nozzle towards yourself for high pressure or away for low pressure. (See fig. 17 and 18).

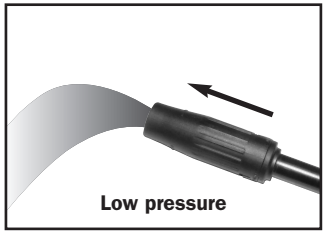


Fig. 17

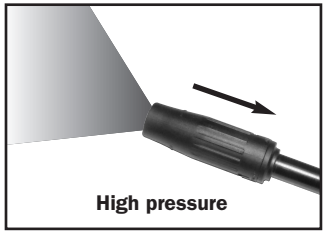


Fig. 18

INTEGRATED DETERGENT TANK

When using your pressure washer for cleaning, there are specially formulated detergents that can be used, depending on what job you are doing. For example, if you are cleaning your car, use a detergent with wax for extra shine.

1. Put detergent into the tank.
2. Adjust the lance to the low pressure position.
3. Squeeze the trigger, the gun will spray liquid detergent mixed with water.
4. To avoid blockages, flush the detergent bottle with clean water after use.

GUN SAFETY LOCK

When you stop the machine, it is necessary to use the safety lock in order to avoid accidental activation of the pressure washer (See fig. 19).

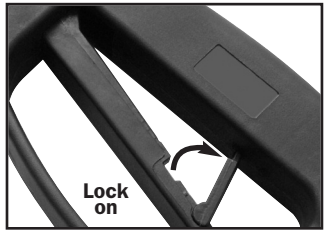


Fig. 19

MAINTENANCE

The Osaki Pressure Washer is maintenance-free. However regular inspection of the water inlet filter on the side will prevent any blockage restricting the water supply to the pump (see fig 20).

Fig. 20

LONG TERM STORAGE

Frost can destroy an incompletely emptied unit. The pressure washer must be stored in a frost-free environment, ensuring that the hose is coiled without any kinks in it.

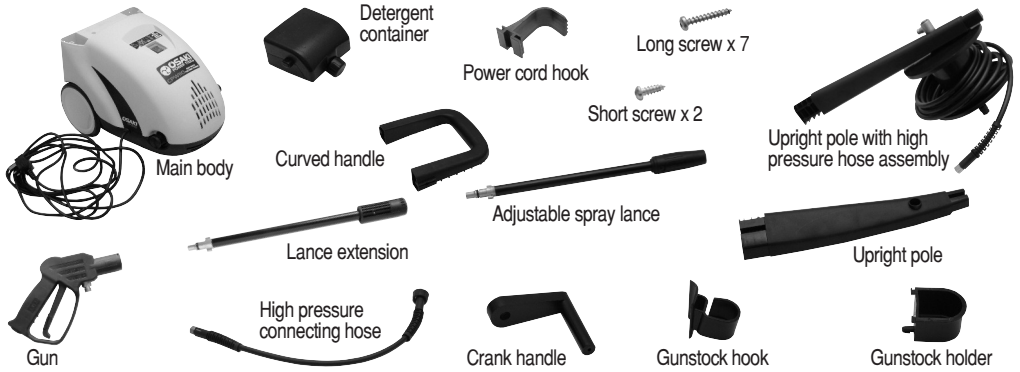
After long term storage without operation, it is possible that scales have formed inside the machine, making it difficult to start. In such conditions it is recommended to turn off and disconnect the power supply and rotate the motor by hand. This is achieved by putting a screwdriver through the ventilation grill at the back of the pressure washer and turning the motor several times (See fig 21). This will help to avoid excessive current draw on the motor and the power supply.

Fig. 21

SPECIFICATIONS

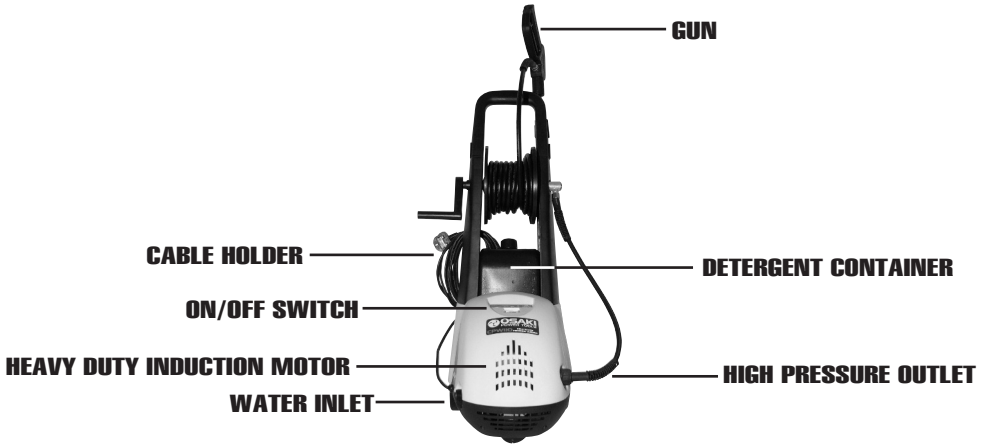
Model Number	**CPW110**	*Maximum Water Temperature*	**50°C**
Order Code	**OSA-279-6110K**	*Noise Level*	**<90db(A)**
Nominal Voltage	**230v~50 Hz**	*Water Inlet Size*	**3/4"**
Power Consumption	**1900W**	*Vibration Level*	**1m/s²**
Working Pressure	**110bar (1595PSI)**	*Water Protection*	**IPx5**
Maximum Permissible Pump Pressure	**200bar (2900PSI)**	*Hose Length*	**5m**
Working Flow Rate	**6.2bar (90PSI) 6 1/min**	*Power Cord Length*	**5.3m**
Maximum Water Supply Pressure	**4bar**	*Assembled Dimensions*	**W45 x D45 x H105cm**
Motor Rotation Speed	**2800rpm**	*Net Weight*	**16kg**

BOX CONTENTS



N.B. Assembly tools and mains water connector are not provided with this product.

COMMON REFERENCE POINTS



ASSEMBLY

Tools required:

Medium size crosspoint screwdriver

17mm spanner

REMOVE THE RUBBER BUNGS FROM THE WATER INLET AND THE HIGH PRESSURE OUTLET BEFORE ASSEMBLING.

Steps 1-10 are assembled with the pressure washer facing away from you.

1. Assemble the left pole with the right pole (See fig. 1). Put the detergent container in the middle of the left and right pole. Then push the two side poles together with your hands at the same time to make the upright section.
2. Insert the bottoms of assembled left and right poles into the holes at the back of the machine shell at the same time (See fig. 2).
3. Install the curved handle on top of the left and right poles (See fig. 3).
4. Insert and tighten one long screw for each side of the right and left poles which meet the curved handle (See fig.4).
5. Similarly insert and tighten two long screws for each side at the connections of the right and left poles and the machine body (See fig. 5).
6. Install the crank handle onto the right pole and insert a long screw and tighten (See fig. 6).
7. Fix the hook on the left rear of the curved handle and insert two small screws and tighten (see fig. 7).
8. Attach the gunstock holder onto the rear of the machine body on the left hand side by locating the top two lugs first and then pushing in the bottom lug (see fig. 8).

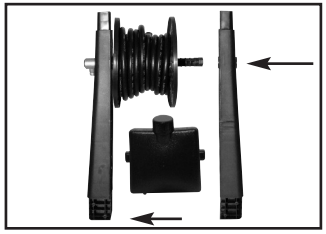


Fig. 1

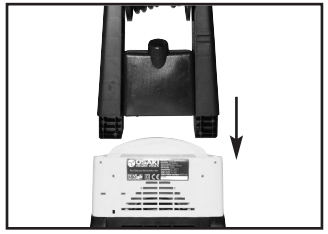


Fig. 2

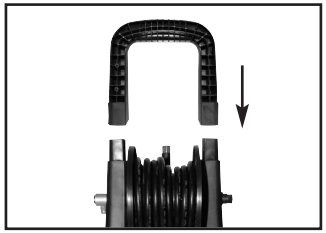


Fig. 3

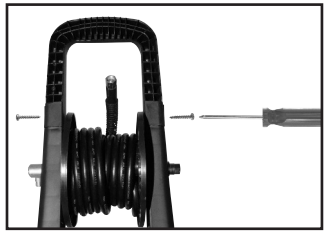
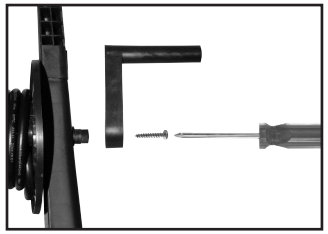


Fig. 4

Fig. 5



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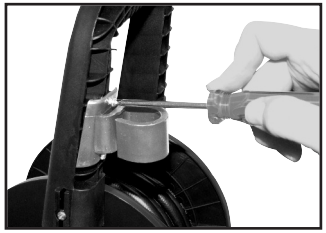

Fig. 7

Fig. 8

ASSEMBLY continued

9. With the power cord hook in an upright position, slide it onto the right hand upright (see fig 9).
10. The mains power cord can now be hung over the hook (see fig. 10).
11. Hand tighten the high pressure connecting hose to the high pressure outlet on the main body.
12. Use a 17mm spanner to attach the other end of the high pressure connecting hose to the brass connector (see fig 11). Do not overtighten.
13. Connect the gun extension to the gun and the adjustable spray nozzle to the gun extension by pushing the brass connector into the hole and turning (see fig 11).
14. Use the spanner to connect the gun to the high pressure hose. Do not overtighten.

Fig. 9

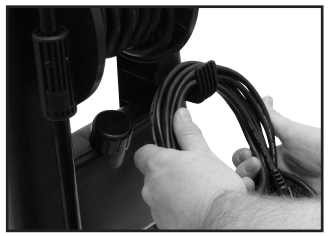

Fig. 10

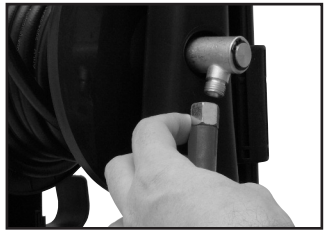

Fig. 11

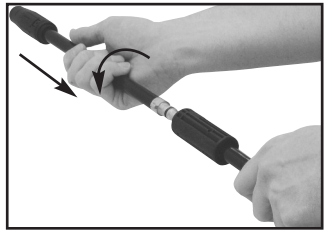

Fig. 12

OPERATION

THIS MACHINE MUST BE CONNECTED TO A COLD WATER SOURCE ONLY.

THE MOTOR OF THIS PRESSURE WASHER WILL NOT RUN CONTINUOUSLY. IT WILL ONLY OPERATE WHEN THE TRIGGER OF THE SPRAY GUN IS SQUEEZED.

IT IS VERY IMPORTANT TO BLEED THE PRESSURE WASHER BEFORE USING IT (Stages 2-7 below).

Use a ¾" HPC connector (not included) to connect the water supply hose to the pressure washer (see fig. 13).

1. Check the water inlet gauze for any blockages (See fig. 20).
2. Connect the water supply hose.
3. Check that the hose has no kinks in it.
4. Turn on the water and check for any leaks.
5. Depress the trigger to allow air to be expelled through the pump and the hose. Lock the trigger.
6. Plug in the pressure washer and switch on the power (See fig. 14).
7. Unlock the trigger and use the pressure washer (See fig. 19)

ADJUSTABLE SPRAY

Turn off the spray lance first and then adjust the nozzle. Water may be sprayed out from the spray nozzle either linearly or in a fan shape (See fig. 15 and 16).

Fig. 13

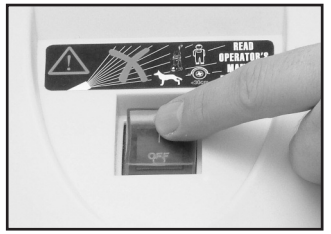

Fig. 14

Fig. 15

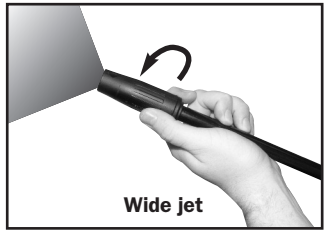

Fig. 16